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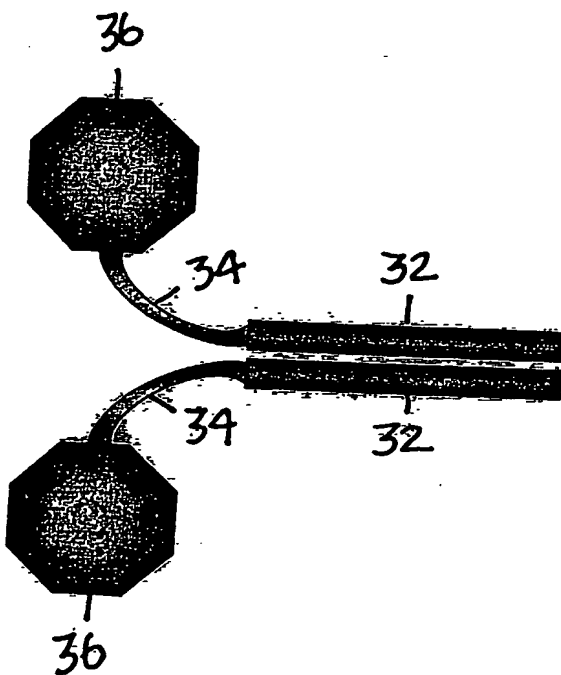
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[Continued on next page]

(54) Title: COMPOSITION AND METHOD FOR ENHANCING IMMUNE RESPONSE



(57) Abstract: A composition and method for enhancing immune response in a living organism is disclosed. In particular, the present disclosure provides an adjuvant peptide for use in raising an immune response to an antigen. The adjuvant peptide is selected from a group of peptides with an HIV-related sequence. Additionally, the adjuvant peptide can comprise a fusion-protein that acts as a mucosal adjuvant. The adjuvant peptide can be transformed into one or more living cells, such that the mucosal adjuvant can be produced in living cells and then administered by systemic, mucosal or epidermal delivery.

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